GENERAL NOTES

- INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
- RECORD DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. PATRIOT FIRE PROTECTION, INC. REQUIRES ELECTRICAL RED LINES WITH IN TWO WEEKS PRIOR TO PRIOR AHJ TESTS.
- AGREEMENT AND CONFIRMATION OF ALL MILESTONE EVENTS WILL BE MADE WITH PATRIOT FIRE PROTECTION, INC. PROJECT MANAGER, ALL FS TECHNOLOGIES FIELD SERVICES MUST BE SCHEDULED WITH PATRIOT FIRE PROTECTION, INC. PROJECT MANAGER WITH A MINIMUM OF TEN BUSINESS DAYS ADVANCE NOTICE.
- 4. A SET OF INSTALLATION AS-BUILT DRAWINGS SHOWING ACTUAL CONDUIT AND CONDUCTOR ROUTES SHALL BE KEPT BY PROJECT FOREMAN FOR USE BY PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
- 5. FIRE ALARM CONTROL PANEL SHALL NOT BE ENEGRIZED WITHOUT THE PRESENCE OF A PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
- THE FIRE ALARM SYSTEM SHALL BE MONITORED BY UNDERWRITERS LISTED MONITORING STATION BEFORE AHJS TEST.
- THE WIRING ROUTING IS DIAGRAMMATIC IN NATURE ONLY AND NOT INTENDED FOR ACTUAL CONDUIT ROUTING.
- 8. ALL CONDUIT SIZING AND ROUTING BY ELECTRICAL CONTRACTOR PER NEC AND AHJ.
- 9. NO LINE VOLTAGE IN SAME CONDUIT AS POWER LIMITED FIRE ALARM CABLE
- 10. VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL AND ARCHITECTURAL PLANS, SCALE AND PLACE DEVICES PER ELECTRICAL
- 11. FIELD VERIFY WATERFLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, SMOKE DAMPERS, AND DUCT DETECTOR LOCATIONS.
- 12. FIELD VERIFY ALL WIRING LOCATIONS AND REQUIREMENTS FOR HVAC AND FAN CONTROL
- 13. SMOKE DETECTORS SHALL NOT BE LOCATED WITH IN 36" OF ANY DIFFUSER
- 14. WALL MOUNTED AUDIBLE/VISUAL APPLIANCES SHALL BE MOUNTED IN SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR
- 15. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL NOT BE LESS THAN 3'-6" AND NOT MORE THAN 4'-0" ABOVE THE FINISHED FLOOR.
- 16. NO DETECTORS SHALL BE INSTALLED UNTIL AFTER FINAL CONSTRUCTION CLEAN-UP, DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO CLEAN-UP MUST BE CLEANED OR REPLACED AND WILL BE INVOICED ON A TIME AND MATERIAL BASIS.
- A DEDICATED BRANCH CIRCUIT OF ONE OF THE FOLLOWING SHALL SUPPLY PRIMARY POWER.
- COMMERCIAL LIGHT AND POWER.
- AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATIONS IS ON DUTY AT ALL TIMES.
- AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT ARRANGED FOR COGENERATION WITH COMMERCIAL LIGHT AND POWER WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATION IS ON DUTY AT ALL TIMES.
- 18. ALL CIRCUITS WILL BE PROPERLY TAGGED AND TESTED FOR OPENS, SHORTS, GROUNDS, AND PROPER "END-TO-LINE" RESISTANCE. EACH CIRCUITS METER READING MUST BE DOCUMENTED AND PRESENTED TO PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN UPON ARRIVAL ONSITE FOR STARTUP AND CHECKOUT.
- 19. NO TAPPING OF SIGNALING OR INITIATING ZONE CIRCUITS ARE ALLOWED. T-TAPPING OF STYLE 4 ADDRESSABLE CIRCUITS IS ALLOWED PROVIDING A SPLICE IS PROFESSIONALLY INSTALLED, POLARITY IS OBSERVED, AND SHIELDS ARE CONTINUOUS AND FREE OF GROUNDS. SHIELDS MUST BE TERMINATED AT THE FIRE ALARM CONTROL PANEL ONLY. CABLE SHIELDS SHALL BE SPLICED TOGETHER AT EVERY JUNCTION BETWEEN THE FIRE ALARM CONTROL PANEL AND THE LAST DEVICE ON EACH CABLE RUN. SHIELDS AND OTHER FIRE ALARM CONDUCTORS (EXCEPT POWER GROUNDS) SHALL BE INSULATED AND COMPLETELY FREE FROM CONDUIT OR EARTH GROUNDS. SHIELDS WILL BE TIED TO GROUND ONLY AT THE FIRE ALARM CONTROL PANEL.

DRAWING ACCEPTANCE

THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING PATRIOT FIRE PROTECTION, INC. FIRE ALARM DEVICES AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

INSTALLATION COMPANY

PATRIOT FIRE PROTECTION, INC. 2707 70TH AVE E, TACOMA, WA 98424

MONITORING COMPANY

AVANTGUARD MONITORING CENTERS. LLC 4699 HARRISON BLVD, SUITE 100 OGDEN, UT 84403





SCOPE OF WORK

INSTALLATION OF NEW ADDRESSABLE FIRE ALARM SYSTEM.

SYSTEM DESIGN CODES

INTERNATIONAL BUILDING CODE (IBC 2021 EDITION) INTERNATIONAL FIRE CODE (IFC 2020 EDITION) NATIONAL ELECTRICAL CODE (NFPA 70 2020 EDITION) ADA INTERNATIONAL CODE ANSIE 117.1 NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72 2019 EDITION)

USE & OCCUPANCY CLASSIFICATION

] /	ASSEMBLY (A)	□ A-1	□ A-2	□ A-3	[

■ BUSINESS (B)

□ A-4 □ A-5

☐ EDUCATIONAL (E)

☐ FACTORY & INDUSTRIAL (F) □ F-1 □ F-2

☐ HIGH HAZARD (H) □ H-1 □ H-2 □ H-3 □ H-4 □ H-5 ☐ INSTITUTIONAL (I) □ I−1 □ I−2 □ I−3 □ I−4

☐ MERCANTILE (M)

☐ RESIDENTIAL (R)

□ R-1 □ R-2 □ R-3 □ R-4 ☐ STORAGE (S) □ S-1 □ S-2 □ S-3 □ S-4

☐ UTILITY & MISCELLANEOUS (U)

AUTOMATIC SPRINKLER PROTECTION

☐ PARTIAL ■ FULL

DEVICE LEGEND

SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
FACU	1	POTTER	IPA-100	FIRE ALARM CONTROL PANEL
FAA	1	POTTER	RA-6500	160 CHARACTER LCD ANNUNCIATOR
CELL	1	NAPCO	SLE-MAX2-FIRE	UNIVERSAL FIRE COMMUNICATOR, DUAL SIM, DUAL PATH, PANEL-POWERED TECHNOLOGY, ABS PLASTIC HOUSING
M	4	POTTER	PAD100-SIM	SINGLE INPUT MODULE
F	6	POTTER	PAD100-PSDA	ADDRESSABLE PULL STATION DUAL ACTION
⟨S⟩ _{6DB}	29	POTTER	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE
(H) _{6DB}	27	POTTER	PAD300-HD W/PAD300-6DB	HEAT DETECTOR WITH 6" STANDARD BASE
太	5	POTTER	PE-STW	STROBE, WALL, WHITE
×c	1	POTTER	PE-STWC	STROBE, CEILING, WHITE
ă	3	POTTER	PE-HSW	2-WIRE, HORN STROBE, WHITE
⊠c	8	POTTER	PE-HSWC	2-WIRE, HORN STROBE, CEILING, WHITE
		ADDITIONAL ASSEMBLY	COMPONENTS AND HARD	
	1	POTTER	UD-2000	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
	1	SPACEAGE	SSU00685	DOCUMENT BOX 12X13X2.25

City of Puyallup evelopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works

Fire

REVIEWED COMPLIANCE **DDrake** 08/24/2025 5:28:49 PM Traffic

City of Puyallup THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

STATE CERTIFICATION

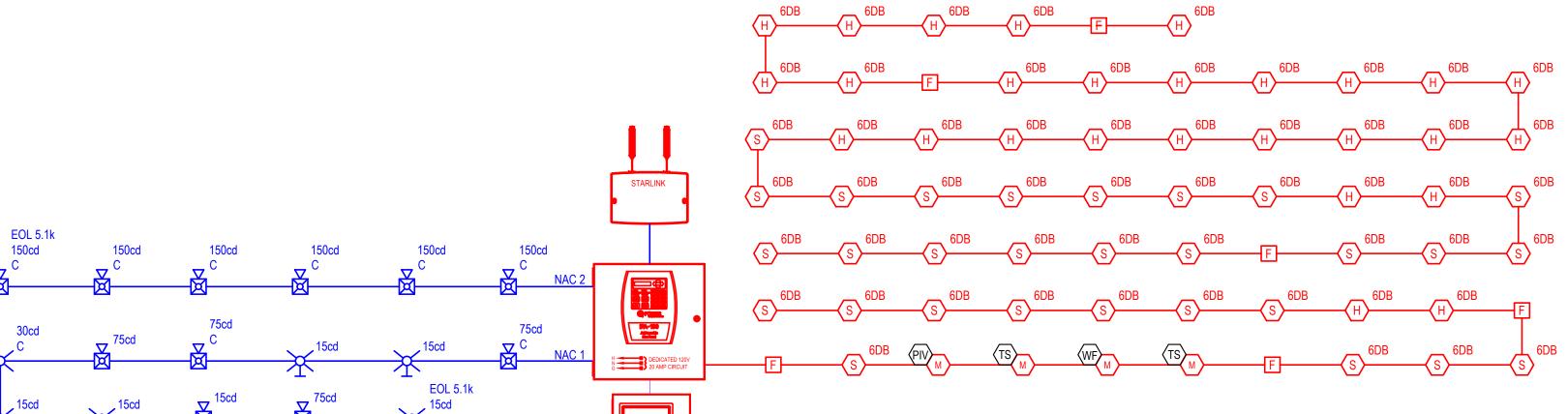
Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

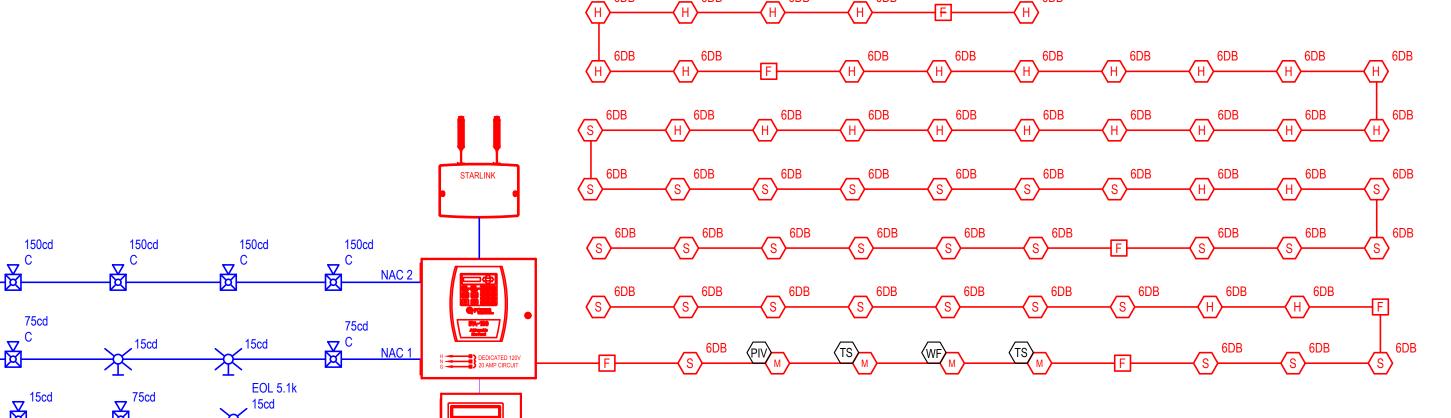
OPERATION MATRIX

		10 M/10			(10g) 00/30 July 12	1 2 / S			
DISPLAY OF AN ALARM EVENT AT THE FACP	X	Х	Х	Х					
DISPLAY OF A SUPERVISORY EVENT AT THE FACP					Х				
DISPLAY OF A TROUBLE EVENT AT THE FACP						Х	Х	Х	
TRANSMIT AN ALARM SIGNAL TO THE CENTRAL STATION	Х	Х	Х	Х					
TRANSMIT A SUPERVISORY SIGNAL TO THE CENTRAL STATION					Χ				
TRANSMIT A TROUBLE SIGNAL TO THE CENTRAL STATION						Х	Х		
INITIATE BUILDING NOTIFICATION (A/V DEVICES)	Х	Х	х	Х					
									J

WIRE LEGEND

LABEL	PART NO	MANUFACTURER	APPLICATION	RESISTANCE MFT	AWG	DESCRIPTION	TOTAL LENGTH
Α	16/2 FPLR	GENERIC	SLC	4.89	16	2 COND. SOLID COPPER FPLR ADDRESSABLE	1549'
PLINK+	18/4 FPLP/R	GENERIC	P-LINK/PWR	7.77	18	4 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED	23'
V	14/2 FPLP/R	GENERIC	NAC	3.07	14	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED	551'

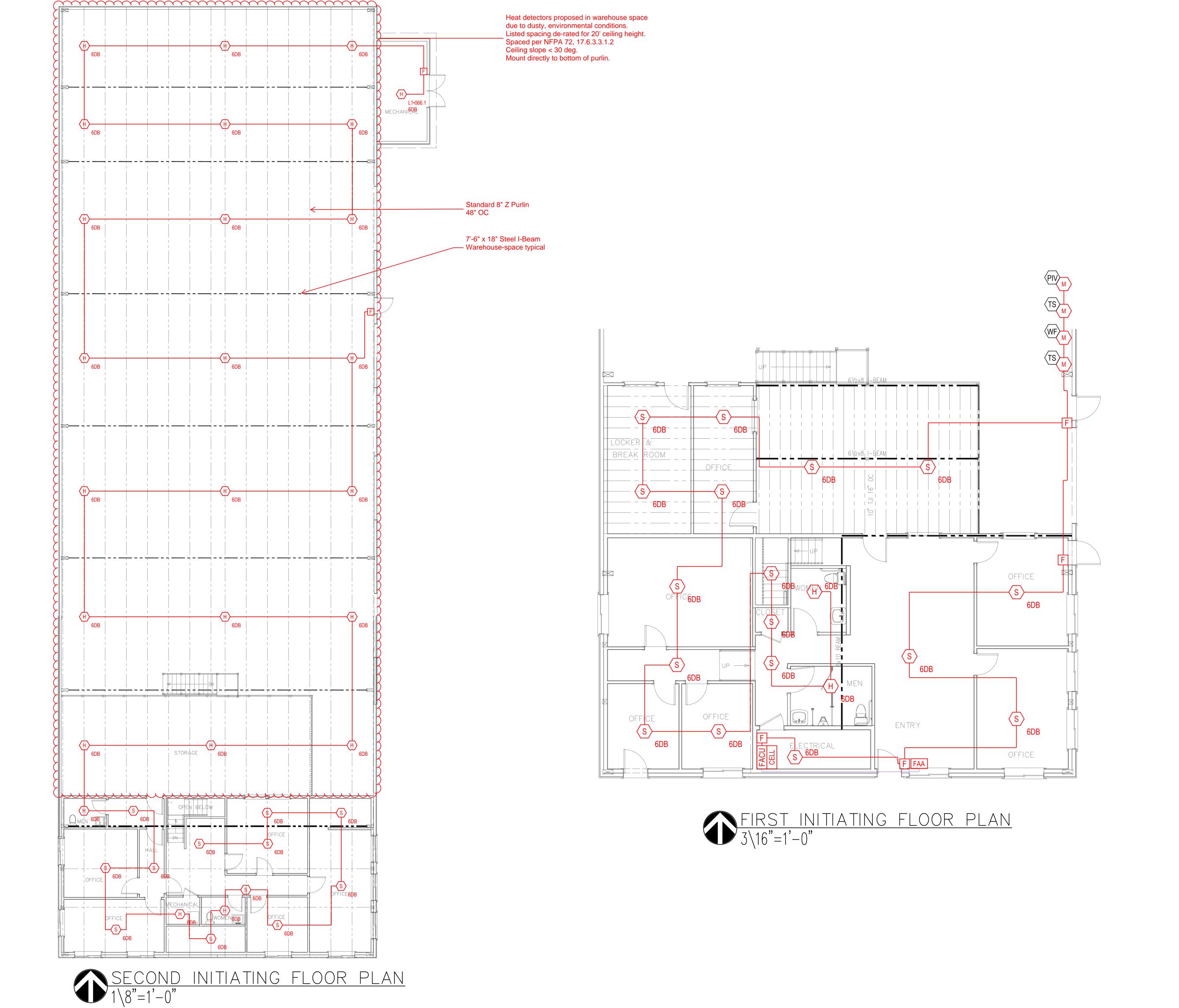


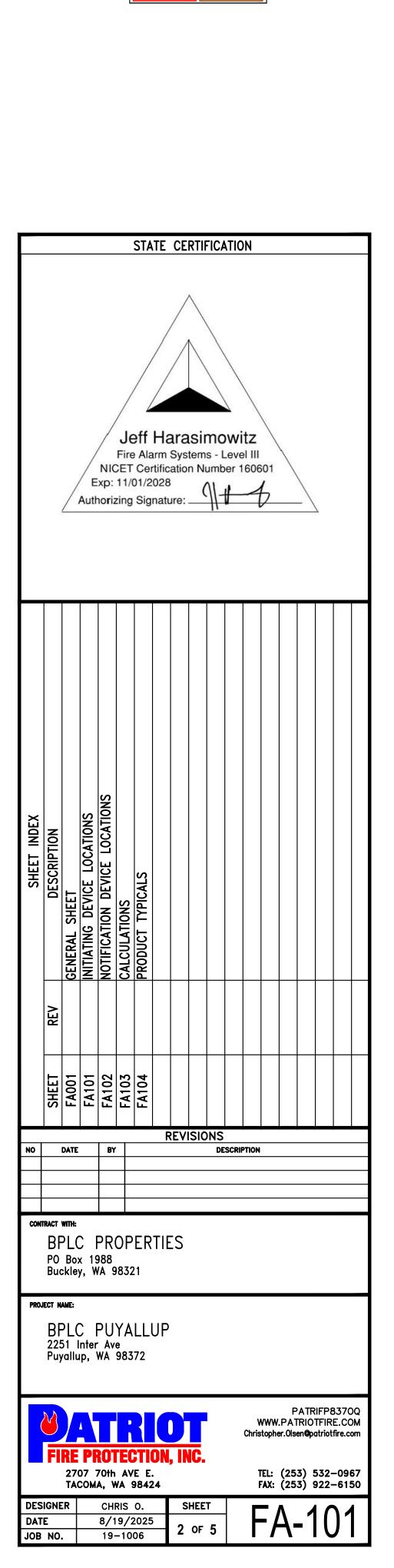


RISER DIAGRAM

NOT TO SCALE

Jeff Harasimowitz Fire Alarm Systems - Level III NICET Certification Number 160601 Exp: 11/01/2028 Authorizing Signature: _ REVISIONS DATE BY DESCRIPTION CONTRACT WITH: BPLC PROPERTIES PO Box 1988 Buckley, WA 98321 PROJECT NAME: BPLC PUYALLUP 2251 Inter Ave Puyallup, WA 98372 PATRIFP8370Q WWW.PATRIOTFIRE.COM Christopher.Olsen@patriotfire.com TEL: (253) 532-0967 FAX: (253) 922-6150 2707 70th AVE E. TACOMA, WA 98424 CHRIS O. 8/19/2025 19-1006

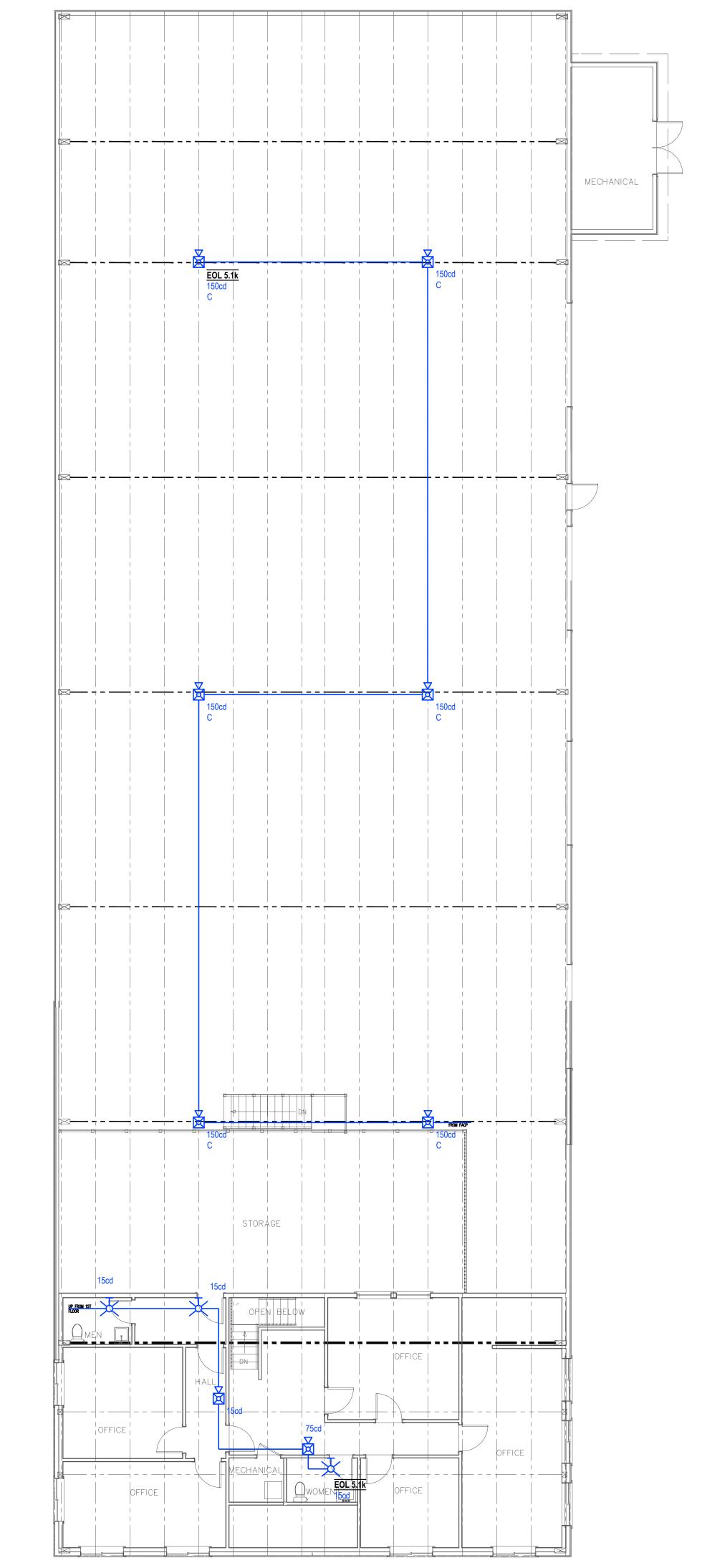


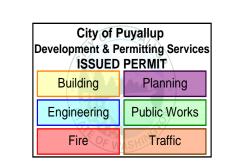


City of Puyallup evelopment & Permitting Service

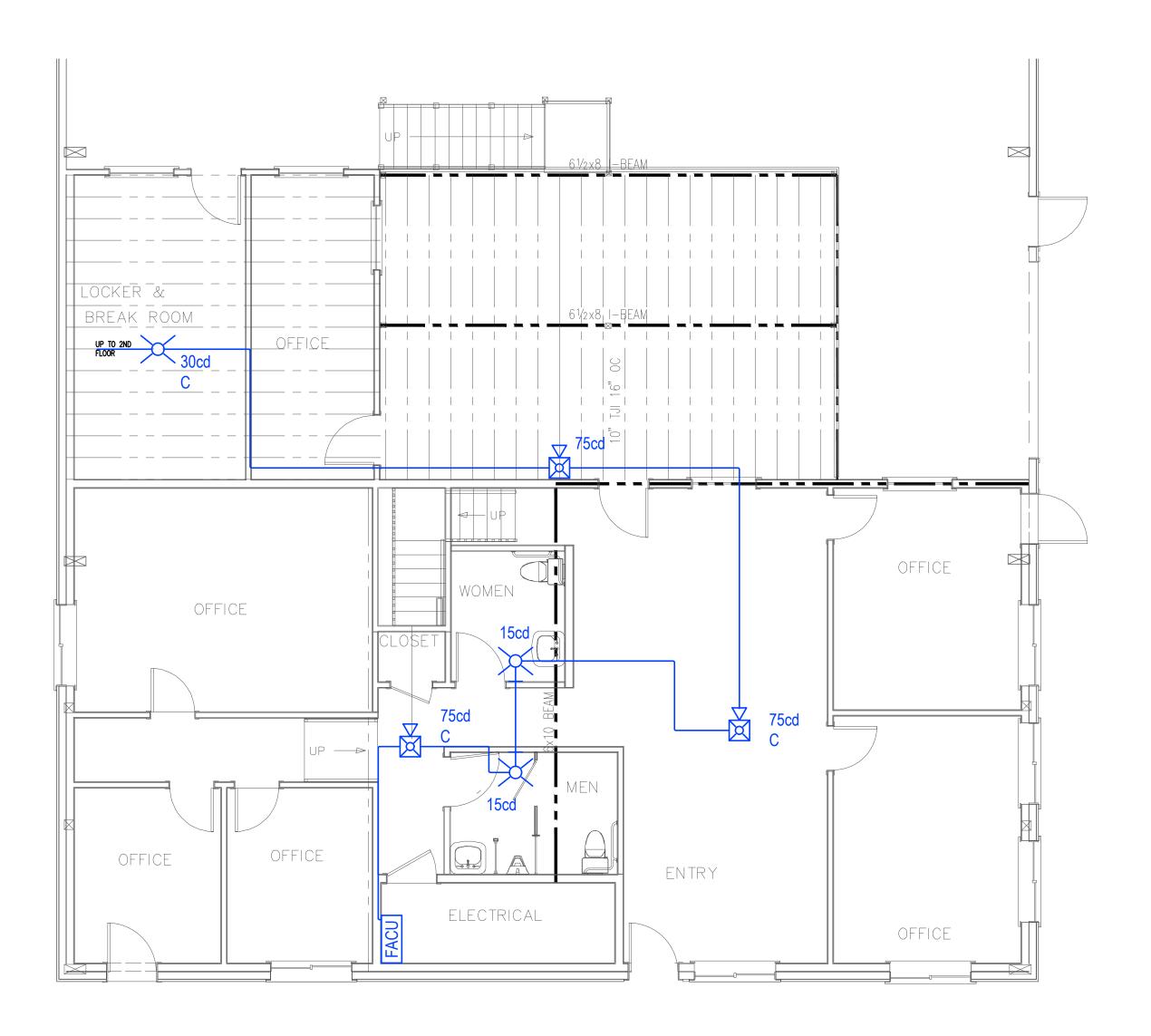
Building Planning

Engineering Public Works

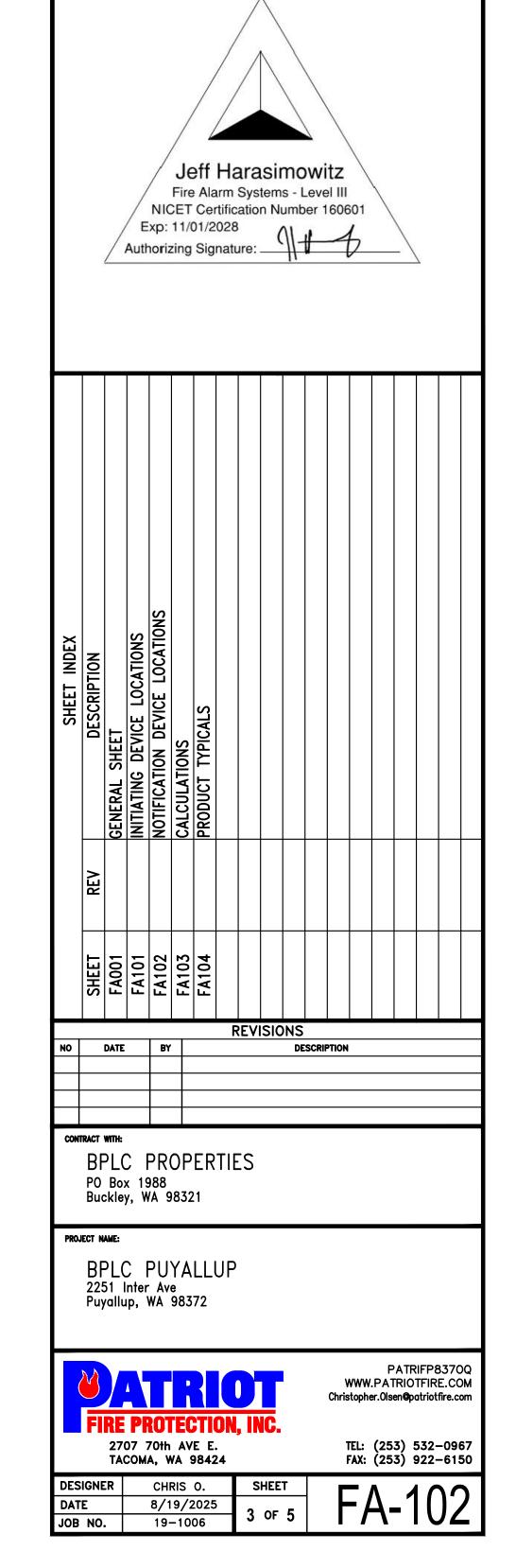




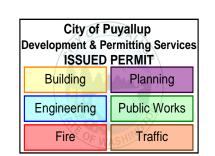
STATE CERTIFICATION



FIRST NOTIFICATION FLOOR PLAN
3\16"=1'-0"



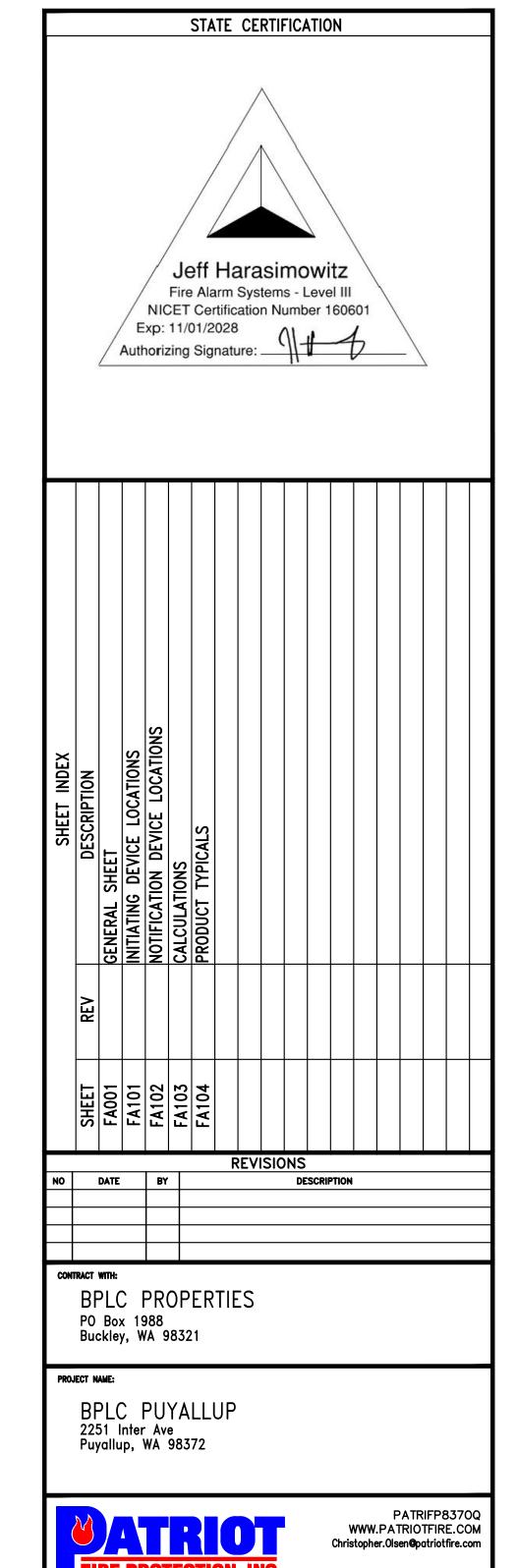




					(IPA-100)	PANEL BATTERY CALCULATION							
					, ,	WER SOURCE REQUIREMEN	NTS)						
								STANDBY (SECONDARY AL			
					QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)		
		PANEL COMPONENTS			1	IPA-100 IPA-100 MAIN BOARD	FIRE ALARM CONTROL PANEL MAIN BOARD FOR IPA-100 FIRE	0.13	0.13	0.22	0.22		
					1	UD-2000	ALARM CONTROL PANEL PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER	0.016	0.016	0.023	0.023		
CIRCUIT	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)		
I/O 1 NAC	III DO OTALO TAME	MAX CARD AMPS USED CARD AMPS	OF THE STATE THAT	CELL	1	SLE-MAX2-FIRE	UNIVERSAL FIRE COMMUNICATOR, DUAL SIM, DUAL PATH, PANEL-POWERED TECHNOLOGY, ABS PLASTIC HOUSING	0.085	0.085	0.325	0.325		
				F	6	PAD100-PSDA	ADDRESSABLE PULL STATION DUAL ACTION	0.0002	0.0012	0.0002	0.0012		
				(AIM)	4	PAD100-SIM	SINGLE INPUT MODULE	0.00024	0.00096	0.00024	0.00096		
L1				⟨H⟩ _{6DB}	27	PAD300-HD W/PAD300-6DB	HEAT DETECTOR WITH 6" STANDARD BASE	0.0003	0.0081	0.0003	0.0081		
		I/A 1.729960				⟨S⟩ _{6DB}	29	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE	0.0003	0.0087	0.0003	0.0087
	N/A			\boxtimes	1	PE-HSW	2-WIRE, HORN STROBE, WHITE 15CD	0	0	0.037	0.037		
				X	2	PE-HSW	2-WIRE, HORN STROBE, WHITE 75CD	0	0	0.077	0.154		
N1				₩c	2	PE-HSWC	2-WIRE, HORN STROBE, CEILING, WHITE 75CD	0	0	0.077	0.154		
				×	5	PE-STW	STROBE, WALL, WHITE 15CD	0	0	0.022	0.11		
				×c	1	PE-STWC	STROBE, CEILING, WHITE 30CD	0	0	0.03	0.03		
N2				₩c	6	PE-HSWC	2-WIRE, HORN STROBE, CEILING, WHITE 150CD	0	0	0.146	0.8760		
P-LINK				FAA	1	RA-6500	160 CHARACTER LCD ANNUNCIATOR	0.02	0.02	0.025	0.025		
			·					TOTAL STANDBY (A)	0.26996	TOTAL ALARM (A)	1.97		
								REQUIRED STAND		24			
								REQUIRED ALARM	, ,	5			
			CONDARY STANDBY LOAD				0.26996	24		6.4			
			SECONDARY ALARM LOAD (A				1.97	0.0		0.10	64		
		STANDBY	AND ALARM SUBTOTAL (AM	MP HOURS)						6.64			
		A	DERATING FACTOR	MD HOUDS:						1.25			
		SECONDAR	RY LOAD REQUIREMENTS (A	MP HOURS)	BB0///5=	(O) 40) (40 ALL DATTER:				8.30			
				* * • **	PROVIDE	(2) 12V 18AH BATTERIES							
				*BATTERY BOX	SIZE CAPACITY NOT SPE	CIFIED. REFER TO MANUFAC	CTURER DOCUMENTATION.						

			CURRENT SU	MMARY	POWER SUM	MMARY
			MAX. CIRCUIT CURRENT (A):	3	STARTING CALC. VOLTAGE:	20.40
			TOTAL CIRCUIT CURRENT (A):	0.485	MAX. VOLTAGE DROP:	0.730
			SPARE CIRCUIT CURRENT (A):	2.52	VOLTAGE DROP %:	3.56 %
N'	11 LUMP SUM	M REPORT	SPARE CIRCUIT CURRENT %:	83.83 %	MIN. OPERATIONAL VOLTAGE:	16
			MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	19.67
			TOTAL CARD CURRENT (A):	1.73	WIRE RESISTANCE (Ω/KFT):	3.07
			SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	244
			SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	1.50
		CIRCUIT WIRING PI	ROPERTIES: 'V' 14/2 FPLP/R NAC 14 AWG,	2 COND. SOLID COPPER FPLI	P/R ANALOG UNSHIELDED	
			SURED USING DRAWN SEGMENT LENGTH			
SYMBOL QUA	ANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)
>	1	PE-HSW	2-WIRE, HORN STROBE, WHITE	15CD	0.037	0.037
×	2	PE-HSW	2-WIRE, HORN STROBE, WHITE	75CD	0.077	0.154
⊠ _c	2	PE-HSWC	2-WIRE, HORN STROBE, CEILING, WHITE	75CD	0.077	0.154
	5	PE-STW	STROBE, WALL, WHITE	15CD	0.022	0.11
×c	1	PE-STWC	STROBE, CEILING, WHITE	30CD	0.03	0.03
CULATION METHODS						
		STANCE (Ω /FT) X 2 X TOTAL CIR ISTANCE (Ω) X TOTAL CIRCUIT				

			CURRENT SU	MMARY	POWER SUI	POWER SUMMARY			
			MAX. CIRCUIT CURRENT (A):	3	STARTING CALC. VOLTAGE:	20.40			
N2 LUMP SUM REPORT			TOTAL CIRCUIT CURRENT (A):	0.8760	MAX. VOLTAGE DROP:	1.64			
			SPARE CIRCUIT CURRENT (A):	2.12	VOLTAGE DROP %:	8.05 %			
			SPARE CIRCUIT CURRENT %:	70.80 %	MIN. OPERATIONAL VOLTAGE:	16			
			MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	18.76			
			TOTAL CARD CURRENT (A):	1.73	WIRE RESISTANCE (Ω/KFT):	3.07			
			SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	305			
			SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	1.87			
		CIRCUIT WIRING	PROPERTIES: 'V' 14/2 FPLP/R NAC 14 AWG, 2	2 COND. SOLID COPPER FPL	P/R ANALOG UNSHIELDED				
		DISTANCE ME	ASURED USING DRAWN SEGMENT LENGTH	S WITH 10.00 % ADDITIONAL	LENGTH CALCULATED				
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)			
⊠c	C 6 PE-HSWC		2-WIRE, HORN STROBE, CEILING, WHITE	150CD	0.146	0.8760			
ALCULATION M	ETHODS:		<u> </u>						
TAL RESISTAN	ICE (Ω) = WIRE RES	ISTANCE (Ω/FT) X 2 X TOTAL C	IRCUIT LENGTH (FT)						
TAL VOLTAGE	DROP = TOTAL RE	SISTANCE (O) X TOTAL CIRCUI	T CURRENT (A)						



2707 70th AVE E. TACOMA, WA 98424

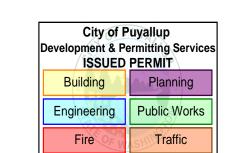
CHRIS O.

8/19/2025 19-1006 SHEET

DESIGNER

JOB NO.

TEL: (253) 532-0967 FAX: (253) 922-6150



STATE CERTIFICATION

Jeff Harasimowitz Fire Alarm Systems - Level III

NICET Certification Number 160601

REVISIONS

DESCRIPTION

PATRIFP8370Q WWW.PATRIOTFIRE.COM Christopher.Olsen@patriotfire.com

TEL: (253) 532-0967 FAX: (253) 922-6150

DATE BY

BPLC PROPERTIES

BPLC PUYALLUP 2251 Inter Ave Puyallup, WA 98372

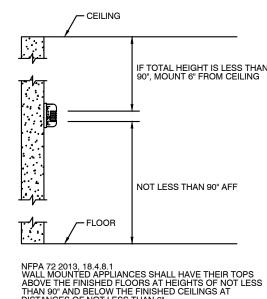
2707 70th AVE E. TACOMA, WA 98424

CHRIS O. 8/19/2025 19-1006

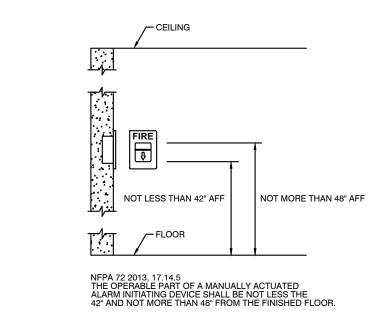
PO Box 1988 Buckley, WA 98321

CONTRACT WITH:

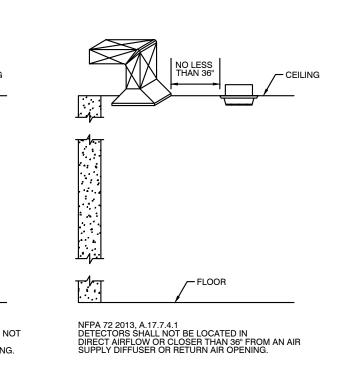
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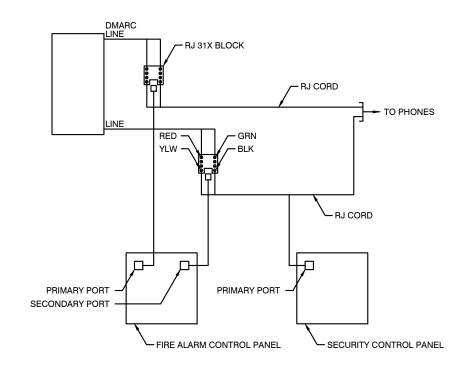
NOT LESS THAN 80" AFF



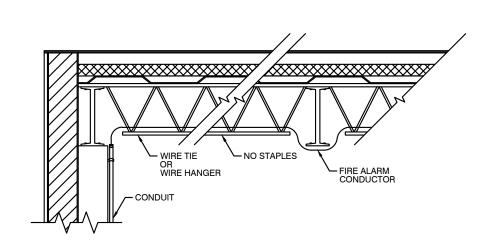
FIRE ALARM - HORN MOUNTING



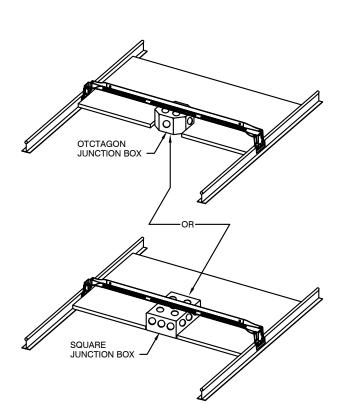
FIRE ALARM - STROBE MOUNTING B



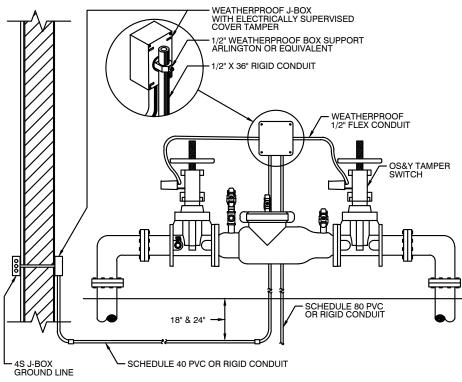
FIRE ALARM - PULL STATION MOUNTING



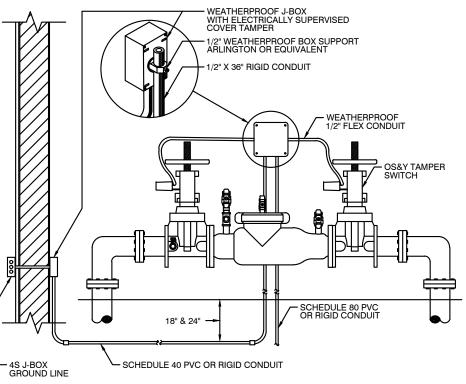
FIRE ALARM - SMOKE & HEAT MOUNTING

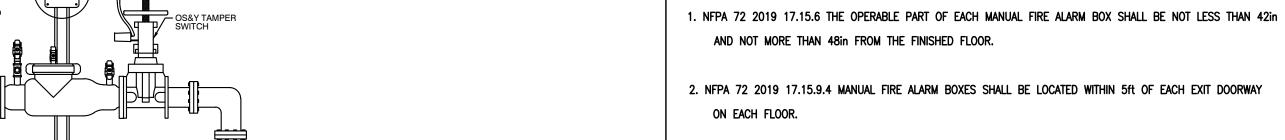


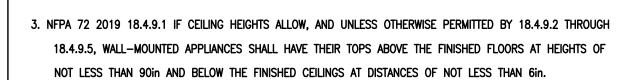
FIRE ALARM - PHONE CONNECTION F



FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING F

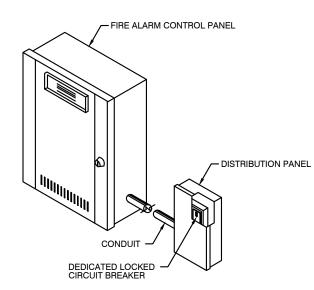




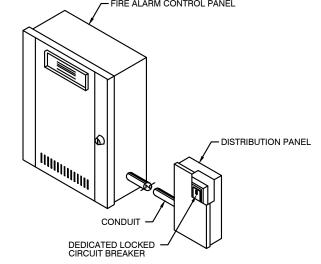


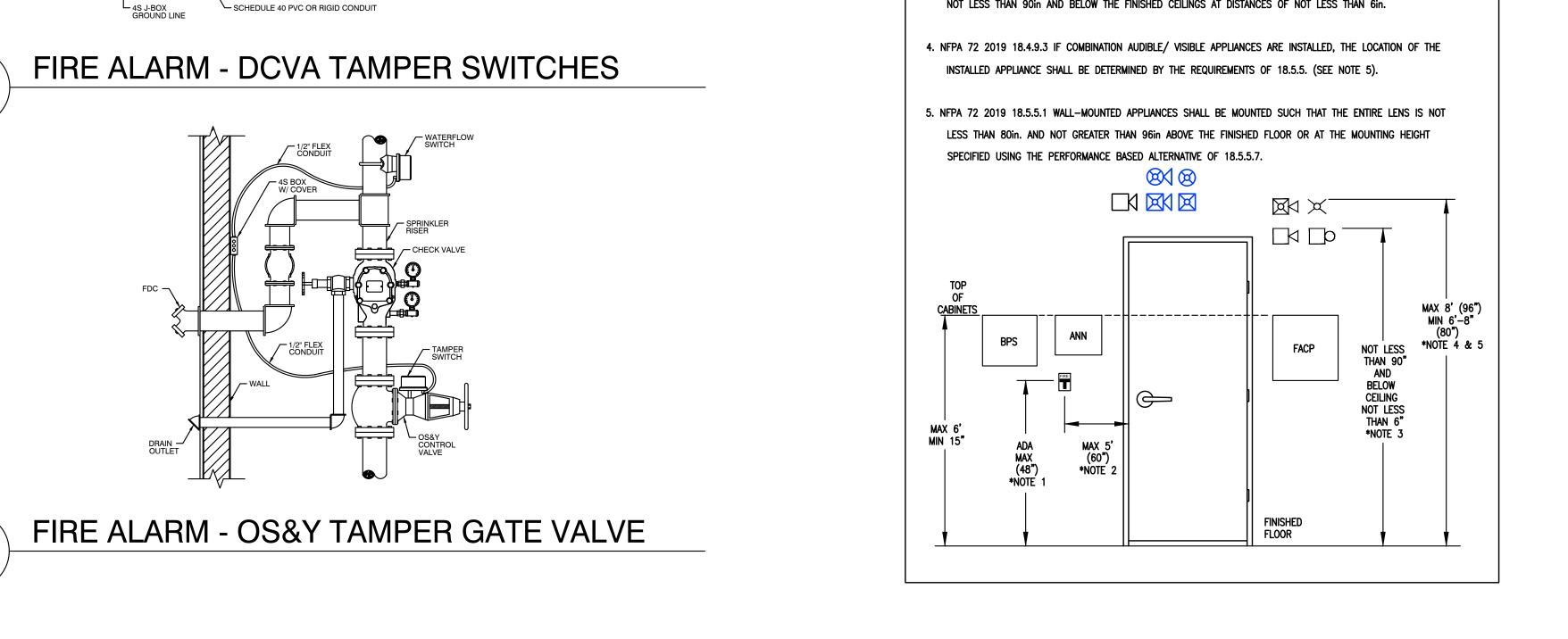
TYPICAL MOUNTING HEIGHTS

FIRE ALARM - DROP CEILING & J BOX









FIRE ALARM - POWER DISCONNECT